Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

1. (Currently Amended) A reproducing apparatus comprising:

a reproducing unit configured to reproduce first ~~means for reproducing~~ moving image data ~~for normal reproduction and image data for high-speed reproduction different from the moving image data for normal reproduction from a recording medium which records thereon moving image data train including the moving image data for normal reproduction which is~~ encoded by ~~using~~ intra-frame coding and inter-frame coding and second moving ~~the~~ image data which is different from the first moving image data and is encoded by the intra-frame coding from a recording medium ~~for high-speed reproduction~~;

an interface configured to output ~~for outputs~~ in a form of encoded data the first moving image data ~~for normal reproduction~~ and the second moving image data ~~for high-speed reproduction, each of which is~~ reproduced by the reproducing unit ~~means~~ to an outside of said reproducing apparatus;

~~mode setting means for setting one of a normal reproduction mode in which said reproducing means reproduces the moving image data for normal reproduction and the image data for high-speed reproduction and a high-speed reproduction mode in which said reproducing means reproduces the image data for high-speed reproduction; and~~

a decoding unit configured to decode ~~means for selectively decoding one of~~ the first moving image data ~~for normal reproduction~~ and the second moving image data ~~for high-speed reproduction, each of which is~~ reproduced by the reproducing unit ~~means, according to the mode set by said mode setting means,~~;

a control unit configured to control operation of the interface and operation of the decoding unit,

wherein the control unit controls, in response to a reproduction start instruction, the decoding unit and the interface such that the decoding unit selects the first moving image data among the first moving image data and the second moving image data reproduced by the reproducing unit and the interface outputs both the first moving image data and the second moving image data reproduced by the reproducing unit

~~wherein in the normal reproduction mode, said interface multiplexes and outputs in a form of encoded data the moving image data for normal reproduction and the image data for high-speed reproduction and said decoding means decodes the moving image data for normal reproduction, and wherein in the high-speed reproduction mode, said interface stops outputting the image data for high-speed reproduction and said decoding means decodes the image data for high-speed reproduction~~.

2. (Currently Amended) A reproducing apparatus according to claim 1, wherein the interface converts the first moving image data ~~for normal reproduction~~ and the second moving image data ~~for high-speed reproduction~~ into a plurality of packets having a data size of a predetermined amount respectively, and the interface multiplexes and outputs the plurality of packets.

3. (Currently Amended) A reproducing apparatus according to claim 2, wherein each of the plurality of packets includes ID data, and the interface allocates predetermined values different from each other to the ID data of the packet of the first moving image data ~~for~~

~~normal reproduction~~ and the ID data of the packet of the second moving image data ~~for high speed reproduction~~.

4-7. (Canceled)

8. (Currently Amended) A reproducing apparatus according to claim 1, wherein the second moving image data is generated using ~~for high-speed reproduction includes only image data of~~ a frame encoded by the intra-frame coding of ~~among~~ the first moving image data ~~for normal reproduction~~.

9-20. (Canceled)

21. (New) An image processing apparatus comprising:

an input unit configured to input moving image data;

a signal processing unit configured to encode the moving image data input by the input unit and output encoded moving image data, the signal processing unit outputting first moving image data encoded by intra-frame encoding and inter-frame encoding and second moving image data which is different from the first moving image data and is encoded by the intra-frame encoding;

an interface configured to output in a form of encoded data the first and second moving image data output from the signal processing unit to an outside of said reproducing apparatus;

a recording unit configured to record the encoded moving image data output from the signal processing unit on a recording medium;

a control unit configured to control operation of the interface and operation of the recording unit,

wherein the control unit controls the interface and the recording unit in parallel such that the interface outputs in the form of encoded data both the first and second moving image data reproduced by the reproduction unit and at the same time the recording unit records the encoded moving image data.

22. (New) An apparatus according to claim 21, wherein the signal processing unit outputs the first moving image data and the second moving image data in parallel with each other.

23. (New) An apparatus according to claim 21, wherein the recording unit records the first moving image data and the second moving image data on the recording medium.

24. (New) An apparatus according to claim 21, wherein the signal processing unit generates the second moving image data using a frame encoded by the intra-frame encoding of the first moving image data.